

09404208 DIAMOND CREEK NEAR PEACH SPRINGS, AZ

LOCATION--Lat 35°45'54", long 113°22'03", sec. 32, T.28 N., R.10 W., unsurveyed, Mohave County, Hydrologic Unit 15010002, on the Hualapai Reservation, on the right bank, 0.25 mi upstream from mouth, and 20.4 mi north of Peach Springs by dirt road.

DRAINAGE AREA--279.5 mi².

PERIOD OF RECORD--May 1993 to current year.

GAGE--Water-stage recorder. Elevation of gage is 1,400 ft above sea level, from topographic map.

REMARKS--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 10,500 ft³/s Aug. 29, 2000, gage height 15.32 ft from floodmark; minimum daily discharge, 0.64 ft³/s, Aug. 9, 1993.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 600 ft³/s and (or) maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Aug. 13.....	1730	*1,810	*11.28
	Sept. 3.....	1530	911	10.55

Minimum daily discharge, 1.1 ft³/s, Oct. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	e4.1	e5.0	2.2	6.5	e12	6.6	4.6	5.0	3.0	21	4.0
2	1.6	e4.1	4.4	2.2	6.5	e11	6.6	4.5	5.0	3.2	e11	4.1
3	1.8	e4.0	3.6	2.3	15	e12	6.6	4.5	5.1	3.2	8.2	57
4	1.6	4.0	e3.0	2.2	6.3	11	6.6	4.5	4.7	3.3	5.9	e4.2
5	1.6	3.9	e2.5	2.2	5.0	12	6.6	4.5	3.9	3.2	27	e4.0
6	1.6	4.0	e2.5	2.0	4.6	12	6.6	4.6	2.8	3.2	4.5	e4.0
7	1.4	4.8	e2.2	1.9	5.9	10	6.6	4.5	3.5	3.2	4.1	4.9
8	1.1	7.0	e2.2	1.9	15	9.5	6.6	4.5	4.0	3.2	18	4.7
9	1.3	3.7	e2.2	1.9	6.4	8.1	6.4	4.5	3.4	3.2	5.1	4.9
10	1.4	3.3	e2.8	e50	6.6	7.6	6.0	4.5	3.1	3.3	6.4	5.4
11	1.6	3.2	2.5	e14	86	7.2	6.0	4.5	2.5	3.6	4.1	5.0
12	1.6	3.3	e2.2	e9.5	214	7.0	6.1	4.5	2.2	3.6	4.0	5.3
13	1.6	3.4	e2.2	e7.9	e83	6.6	6.0	4.5	2.3	3.7	91	5.5
14	1.6	3.5	e2.3	e7.2	e61	6.4	5.9	4.4	2.3	4.0	21	5.4
15	1.6	3.4	e2.6	e7.4	e37	6.0	5.8	4.0	2.3	3.6	9.3	5.5
16	1.6	3.3	e2.2	e7.2	e20	5.9	6.0	4.0	2.3	3.7	7.0	5.3
17	1.6	3.2	e4.9	e7.0	e16	5.5	6.0	4.2	2.3	4.0	4.6	5.3
18	1.6	3.2	e2.3	e6.8	e40	5.4	6.0	4.2	2.4	4.3	5.3	5.4
19	1.6	3.2	2.2	e6.5	e28	5.0	5.8	4.2	2.6	4.5	3.5	5.0
20	2.2	3.2	2.2	e6.1	e43	4.6	5.5	4.2	2.8	4.5	3.3	5.1
21	2.5	e6.8	2.2	e5.9	e32	4.5	5.5	4.2	2.8	4.5	2.8	5.0
22	2.2	e6.2	2.2	e5.5	e47	4.5	5.1	4.3	2.9	4.5	2.8	4.7
23	1.9	e5.9	7.5	e5.4	e31	5.5	4.9	4.5	3.9	6.4	3.0	4.9
24	1.9	e5.5	4.7	e5.2	e24	5.5	6.2	4.8	2.8	8.7	3.1	4.5
25	1.9	e5.4	2.4	e5.0	e20	5.7	5.0	4.8	2.8	4.0	3.1	4.4
26	1.9	e5.4	2.2	12	e18	6.0	5.0	5.1	2.9	4.4	4.1	4.3
27	e5.0	e5.3	2.2	13	e15	6.0	5.0	5.1	2.8	4.1	4.5	3.7
28	e4.2	e5.2	2.2	8.4	e13	6.5	5.4	5.3	3.0	4.0	4.1	3.8
29	e4.1	e5.2	4.3	8.6	---	6.7	5.4	5.6	3.2	5.5	4.2	4.1
30	e4.1	e5.1	2.2	6.5	---	6.6	5.3	5.5	3.1	8.9	4.2	3.8
31	e4.1	---	2.2	7.2	---	6.6	5.3	5.3	14	4.1	---	---
TOTAL	65.4	131.8	90.3	231.1	905.8	228.9	177.1	142.4	94.7	140.5	304.3	193.2
MEAN	2.11	4.39	2.91	7.45	32.4	7.38	5.90	4.59	3.16	4.53	9.82	6.44
MAX	5.0	7.0	7.5	50	214	12	6.6	5.6	5.1	14	91	57
MIN	1.1	3.2	2.2	1.9	4.6	4.5	4.9	4.0	2.2	3.0	2.8	3.7
AC-FT	130	261	179	458	1800	454	351	282	188	279	604	383

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

(WY)	MEAN	5.74	3.66	3.88	4.64	6.71	5.11	3.82	2.87	2.38	5.50	4.96	4.69
2004	1999	1999	2005	2005	2005	11.3	5.90	4.59	3.81	25.8	19.2	18.6	
2005	1996	2005	1995	2004	2004	12	6.6	5.6	5.1	14	91	57	

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1993 - 2005

ANNUAL TOTAL	970.73	2.65	7.41	4.34
ANNUAL MEAN				7.41
HIGHEST ANNUAL MEAN				2005
LOWEST ANNUAL MEAN				2002
HIGHEST DAILY MEAN	8.9	Sep 19	214	Feb 12
LOWEST DAILY MEAN	0.69	Jun 26	1.1	Oct 8
ANNUAL SEVEN-DAY MINIMUM	0.91	Jun 22	1.4	Oct 4
ANNUAL RUNOFF (AC-FT)	1930		5370	3150
10 PERCENT EXCEEDS	4.1		11	4.9
50 PERCENT EXCEEDS	2.3		4.5	3.3
90 PERCENT EXCEEDS	1.5		2.2	1.9

e Estimated